robi

iPod DAB / FM RDS Digital Radio and Remote Control

from ROBERTS

Please read this manual before use

Made for iPod

DAB
Digital Audio Broadcasting

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Please read this first

Thank you for purchasing **robi**, a DAB and FM radio accessory for iPod and iPod nano. Please take a little time to read these instructions in order to get the best from your radio.

robi is designed to operate with your iPod to provide DAB and FM radio listening on the move. In addition, when you wish to listen to music held on your iPod, **robi** provides basic remote control facilities.

robi will not work on its own - it needs to be connected to your iPod to provide power. **robi** is the world's smallest DAB / FM radio receiver accessory, and uses the latest generation of high performance digital radio technology to provide the best reception possible while maximising the listening time available from each charge of your iPod battery.

There are a great many DAB and FM radio stations available. So that you can easily select the stations that you like to listen to, **robi** allows you to create a personalised list of favourite radio stations. This list is then stored in the radio so that even if **robi** is disconnected from your iPod, your favourites are retained for the next time that you wish to listen to the radio. Please refer to the ***Favourite stations*** section of this booklet for details.

Please read this first (contd.)

robi and your iPod should only be connected and disconnected when your iPod is switched off. You can then use the Play / Pause button on **robi** to switch your iPod on and off in addition to the iPod controls.

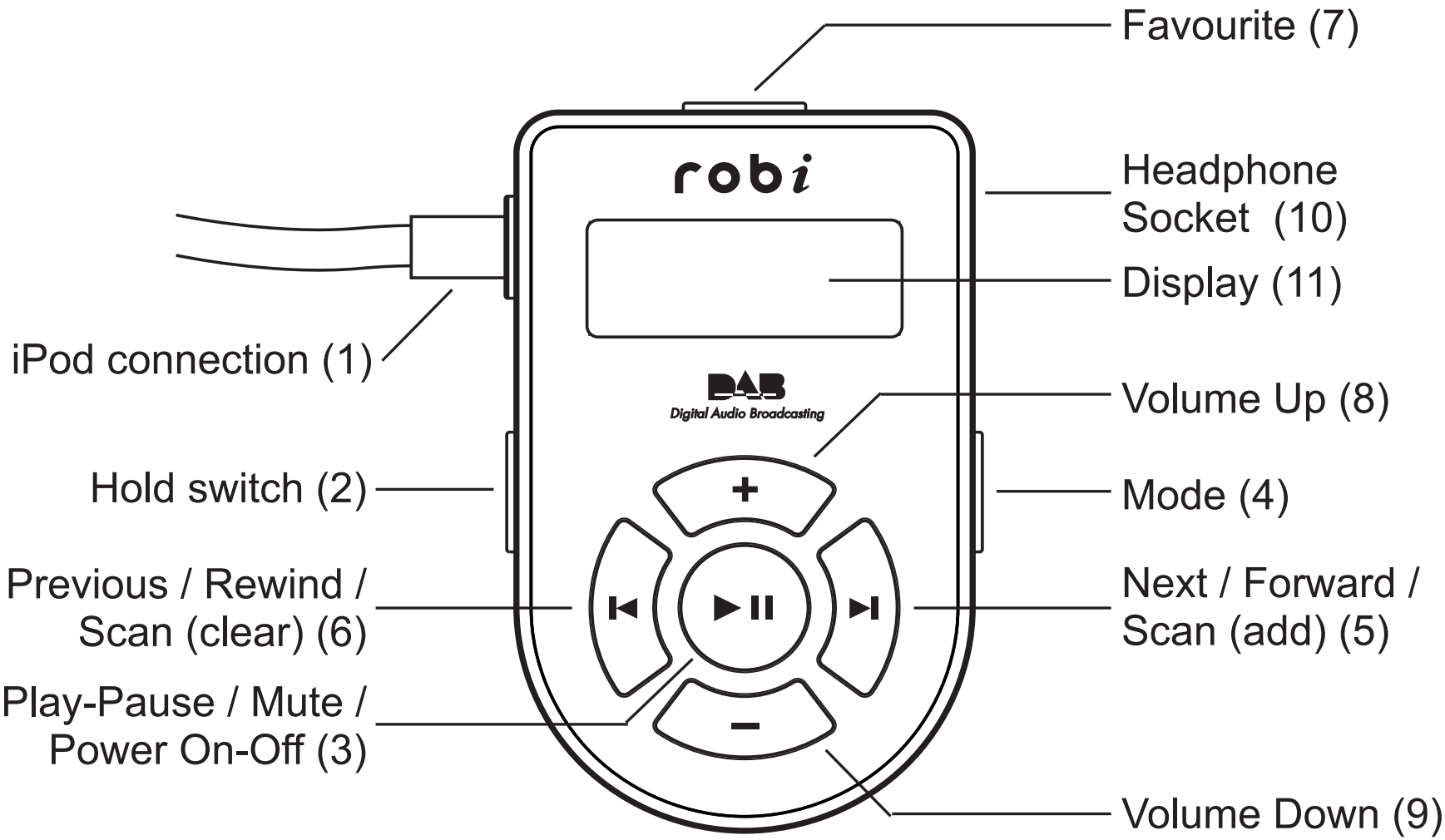
robi uses the supplied headphones as the aerial for the radio. They must be plugged into the headphone socket on **robi** for the radio to work. You can also listen to your iPod's music in this way. Alternative headphones may be used, but radio reception may vary in quality, and may result in a different sound level.

IMPORTANT:

Some versions of iPod will not supply power to external accessories such as **robi** unless there is some music already stored on the iPod. If you connect **robi** to your iPod and you find that **robi** will not switch on, then please check first that your iPod battery is charged, that **robi** is securely plugged into the docking connector on your iPod and that you have at least one audio file stored on your iPod which has been transferred using Apple's iTunes software.

If your iPod has been off for some time, **robi** may not be able to switch it on. If necessary, use your iPod controls to do this first and **robi** will then start up.

Controls



The numbers against each function refer to paragraphs on the following pages.

Controls (contd.)

1. **iPod cable and connector** - This must be connected to the docking connector on your iPod in order to use the radio.

2. **Hold switch** - Slide this switch up to prevent accidental operation of all buttons on **robi**. The display will show 'Locked' if a button is pressed while Hold is applied. Slide down to re-enable the buttons.

3. **Play / Pause / Mute / Power button** - Acts as Play / Pause in Remote mode. In DAB or FM mode will mute radio. Press and hold for 2-3 seconds to switch **robi** and your iPod on or off.

4. **Mode button** - Press to cycle through DAB / FM / Remote modes.

5. **Next / Forward / Scan button** - In DAB mode press to select next radio station, press and hold to scan for additional DAB stations. In FM mode, press to step frequency up, press and hold to scan. In Remote mode press to select the next track or press and hold to fast-forward the current track.

Controls (contd.)

6. **Previous / Rewind / Scan button** - In DAB mode press to select previous radio station, press and hold to clear radio station list and re-scan. In FM mode press to step frequency down, press and hold to scan. In Remote mode press to select the previous track or press and hold to rewind the current track.

7. **Favourite button** - Press to switch between selection of all radio stations and just favourites. Press and hold to change the favourite status of the current radio station.

8. **Volume Up button** - Press or keep pressed to increase volume.

9. **Volume Down button** - Press or keep pressed to decrease volume.

10. **Headphone socket** - Connect headphones for listening to the radio or iPod. The headphones act as the aerial for DAB and FM radio operation.

11. **Display** - The display provides information on the operating mode, radio stations, volume and signal strength (see page 7).

Display

1. **Text area** - this is used to display radio station names or frequencies and user messages.

2. **Volume** - Five segments indicate the approximate volume setting. More segments are visible at higher volume levels. The loudspeaker symbol will flash if **robi** is set to mute the audio output.

3. **Mode** - The DAB and FM indicators show the current operating mode. In Remote mode, the message 'Remote' is shown on the main display.

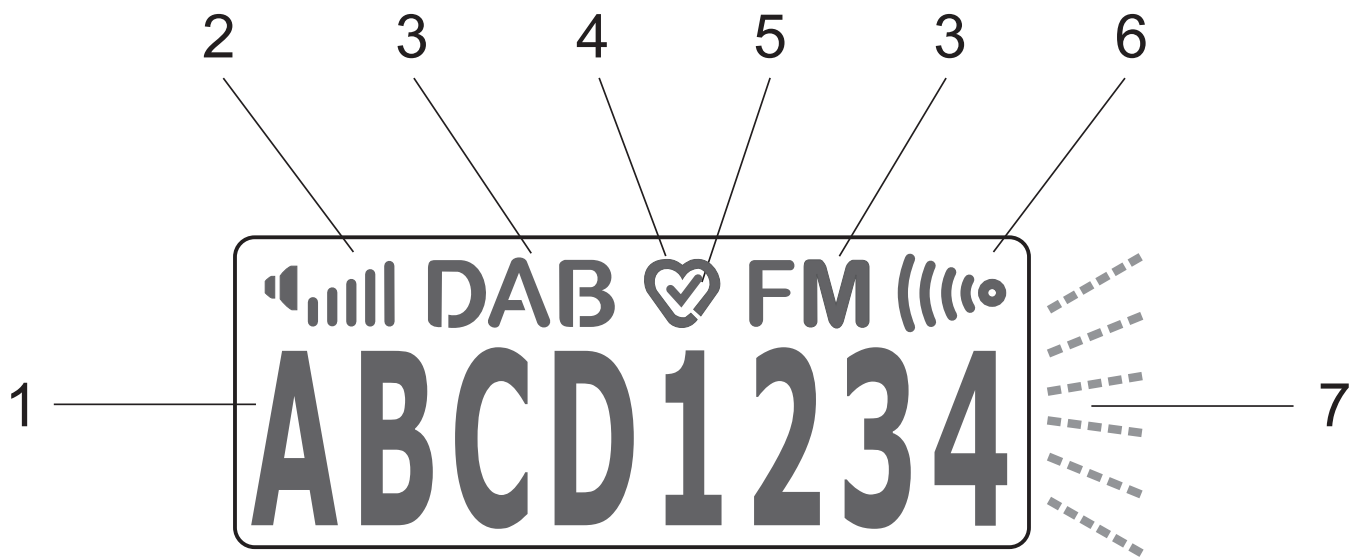
4. **Favourite** - The favourite stations mode indicator (heart) shows that **robi** will only select radio stations from the stored favourites list. Pressing the Favourite button switches between favourite mode and all stations mode.

5. **Set as Favourite** - The tick indicator shows that the currently tuned radio station is stored in the list of favourites. Press and hold the Favourite button to change this setting for the current radio station.

Display (contd.)

6. **Signal strength** - Five segments indicate the approximate strength of the radio signal received via the headphone lead aerial. Good quality reception is generally achieved when at least three segments are visible.

7. **Display backlight** - The display backlight is normally switched off to conserve power, but it is switched on for five seconds after pressing any button.



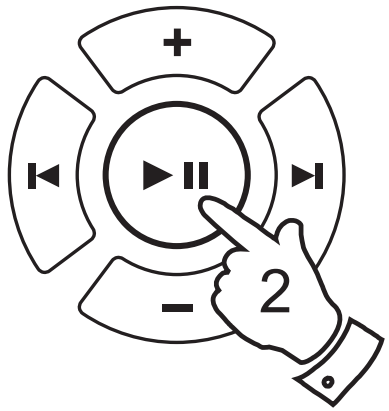
Operating your radio - DAB

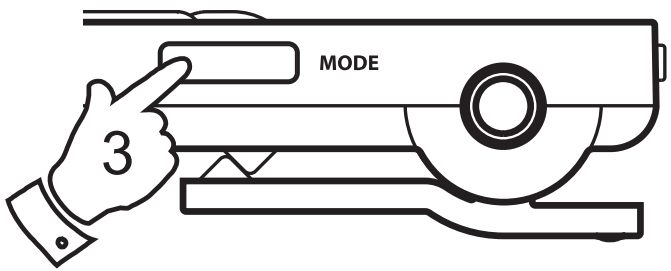
1. Carefully plug **robi** into your iPod docking connector checking that the connector is correctly aligned (see Connecting to your iPod, page 25). Plug the headphones into **robi**. The headphone and iPod leads act as the radio aerial and so the cables should be unravelled for good radio reception.

2. Your iPod may power up when **robi** is connected. If not, press and hold the ***Play / Pause*** button on **robi** to switch on your iPod. **robi** will then power up after 2 - 3 seconds. The display will show 'Welcome' and then **robi** will enter the last used mode (or DAB mode if this is the first time that **robi** is used).

3. If necessary, press and release the ***Mode*** button until DAB mode is selected.

4. If the stored list of radio stations is empty then **robi** will scan for DAB radio stations, displaying 'Scan 5A', 'Scan 5B', 'Scan 5C', and so on as the scan progresses. As new stations are found **robi** will display 'Found' and the total number of DAB radio stations found during the scan.





2

DAB
Welcome

4

DAB
Scan 5A

4

DAB
Found 23

5

DAB
BBC R2

Operating your radio - DAB (contd.)

5. When the scanning is completed the last radio station found will be selected. The display then shows the name of the station currently selected. If the station list is still empty after the scan **robi** will display 'No DAB'.

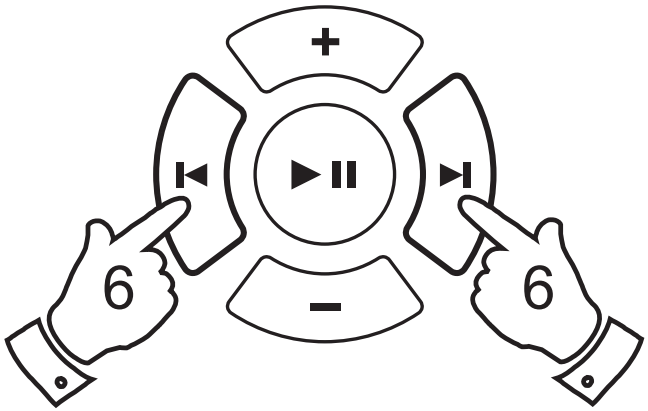
6. Repeatedly press the ***Next*** or ***Previous*** buttons to step through the list of available stations.

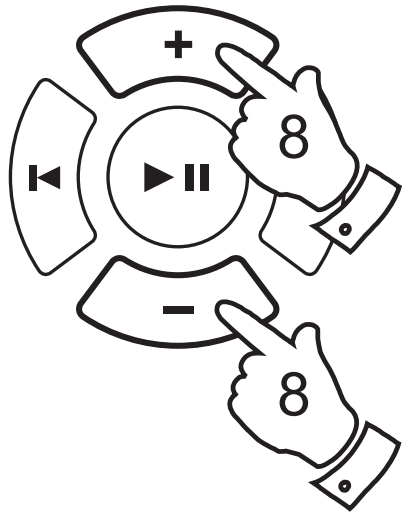
7. As soon as you stop stepping through the list, **robi** will start to tune to the displayed radio station and the station should be heard within 2 - 3 seconds. If the selected station cannot be received (it may be off-air or there may be no signal), then **robi** will display the radio station name in grey.

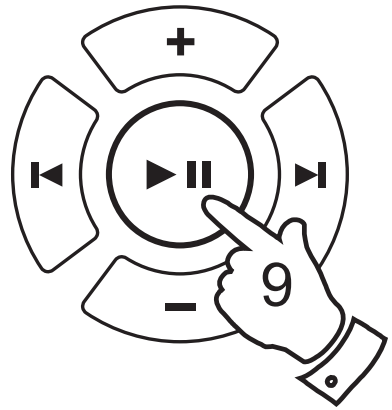
8. Adjust the ***Volume*** to the required setting.

9. Press and hold the ***Play / Pause*** button to switch **robi** off. **robi** will then switch off your iPod.

The use of the station favourites mode for selecting radio stations is described on page 21.







Note: If no DAB radio stations are found it may be necessary to relocate **robi** and the headphone lead to a position giving better reception. It will then be necessary to repeat the scan - see 'Finding new DAB stations', page 13.

Secondary DAB services

1. Some DAB radio stations have one or more secondary services associated with them which may not broadcast continually. **robi** will list secondary services among the normal DAB stations. If you select a secondary service and it is not being broadcast, then **robi** will show the radio station name in grey to indicate that it is currently not receivable.

Finding new DAB stations

As time passes new DAB radio stations may become available, or if you move to a different location there may be alternative DAB stations which **robi** can receive. To find new stations proceed as follows:-

1. With **robi** connected to your iPod, select the DAB radio mode as previously described.

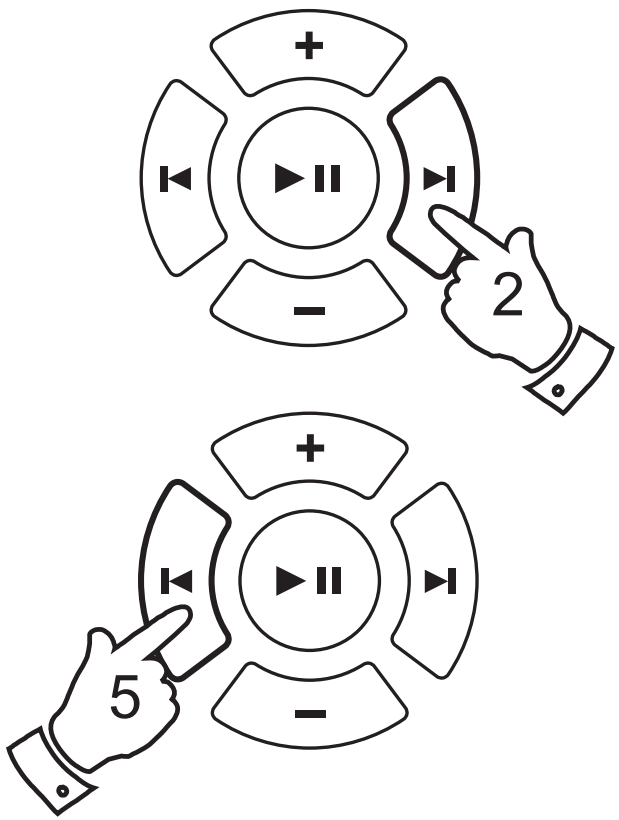
2. Press and hold the ***Next*** button for at least 5 seconds. The display will then show ‘Scan 5A’, then ‘Scan 5B’, ‘Scan 5C’, and so on. The changing numbers and letters represent the DAB channel being scanned.

3. When radio stations are found **robi** will display ‘Found’ and the total number of radio stations found in the current scan. Any new radio stations which are found during the scan will be added to the list of stations already stored. After scanning the last used DAB station will be selected and displayed.

4. If the station list is still empty after the scan **robi** will display ‘No DAB’. If no DAB radio stations are found it may be necessary to relocate **robi** and the headphone lead to a position giving better reception.

Finding new DAB stations (contd.)

5. If you wish to clear the list of previously stored DAB stations, then follow steps 1 - 3 above, but press and hold the ***Previous*** button for 5 seconds instead of the Next button. This will cause the stored list of radio stations and your favourites to be erased before the scan takes place.



2 DAB Scan 5A

3 DAB Found 31

3 DAB PlntRock

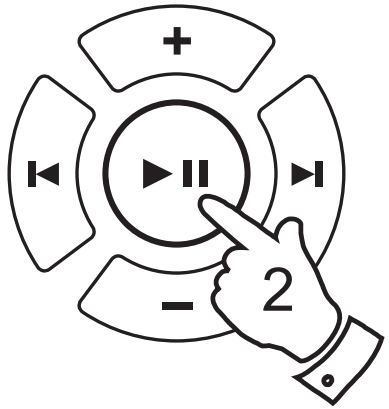
Operating your radio - FM

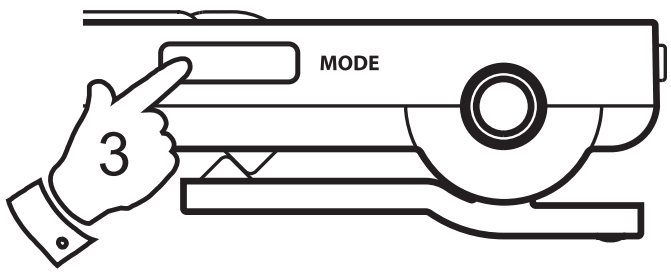
1. Carefully plug **robi** into your iPod docking connector checking that the connector is correctly aligned (see Connecting to your iPod, page 25). Plug the headphones into **robi**. The headphones and the iPod lead act as the radio aerial and so the cables should be unravelled for good radio reception.

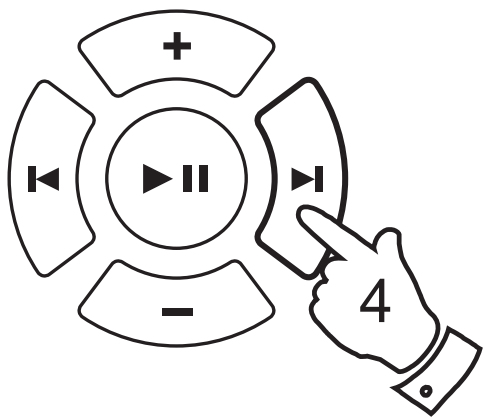
2. Your iPod may power up when **robi** is connected. If not, press and hold the ***Play / Pause*** button on **robi** to switch on your iPod. **robi** will then power up after 2 - 3 seconds. The display will show 'Welcome' and then **robi** will enter the last used mode (or DAB mode if this is the first time that **robi** is used).

3. If necessary, press and release the ***Mode*** button until FM mode is selected. **robi** will display the currently tuned FM frequency or station name - for example, 87.5MHz.

4. Press and hold the ***Next*** button. **robi** will scan upwards from the currently displayed frequency and will stop scanning when an FM signal is found.







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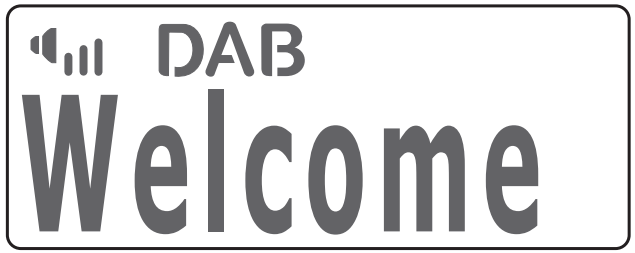

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Operating your radio - FM (contd.)

5. The display will show the frequency of the signal which has been found. If RDS information is available, the display will then show the radio station name.

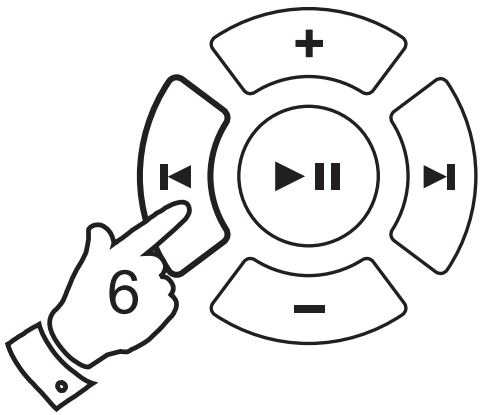
6. To find more FM radio stations, repeat this procedure from step 4. Alternatively, press and hold the ***Previous*** button to scan the FM band in a downwards direction (high frequency to low frequency).

7. Adjust the ***Volume*** to the required setting.

8. Press and hold the ***Play / Pause*** button to switch **robi** off. **robi** will then switch off your iPod.

The use of the station favourites mode for selecting radio stations is described on page 21.

Note: If there is a lot of hiss when tuned to an FM station, it may be possible to receive the same station more clearly on a different frequency. For very weak FM stations, **robi** will switch to mono to reduce the level of background hiss.



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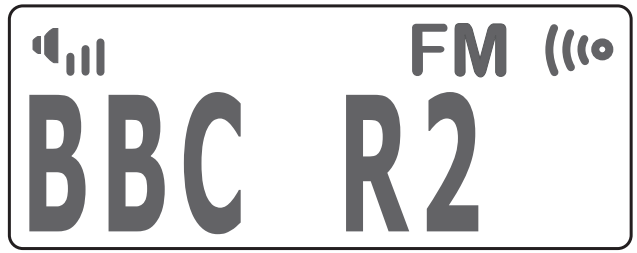

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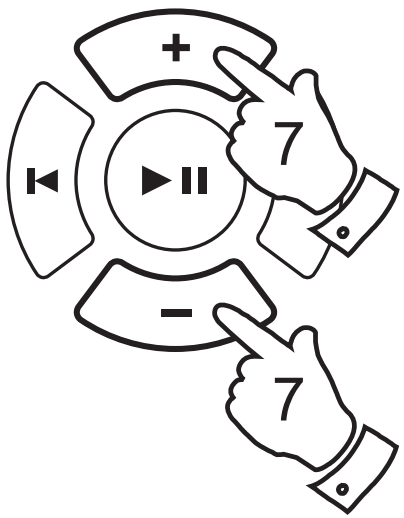
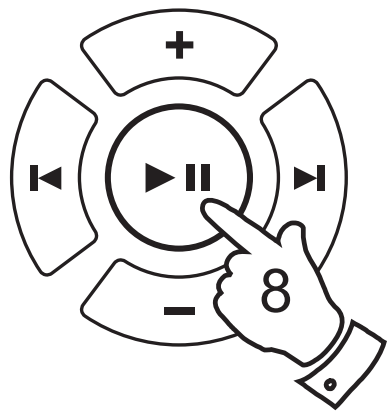




Manual tuning - FM

1. Ensure that **robi** is switched on and in FM mode (see Operating your radio - FM). **robi** will display the currently tuned FM frequency or station name - for example 89.9MHz in the example shown.

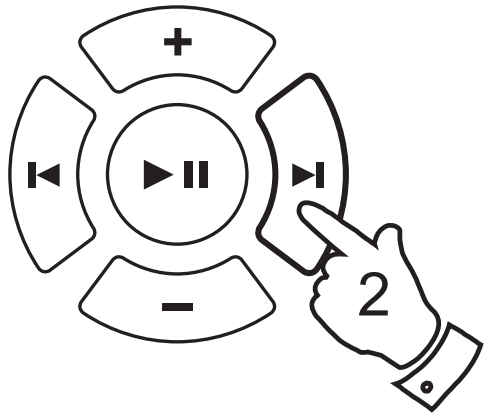
2. To tune to a higher frequency press the ***Next*** button. The frequency will increase by 100kHz with each press of the button. Repeat as needed to reach the desired frequency.

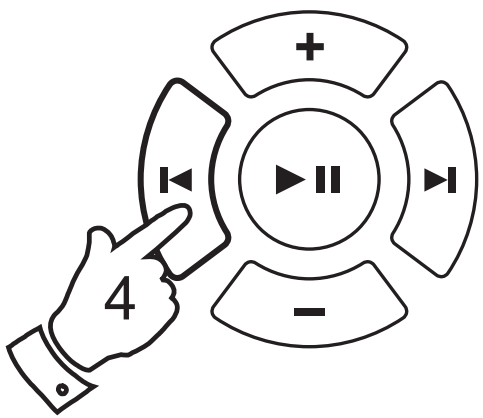
3. The display will show the currently tuned frequency. If RDS information is available, the display will then show the radio station name.

4. To tune to a lower frequency press the ***Previous*** button. The frequency will reduce by 100kHz with each press of the button.

The use of the station favourites mode for selecting radio stations is described on page 21.

Note: Whether scanning or manually tuning, when the end of the waveband is reached **robi** will recommence tuning from the opposite end of the waveband.





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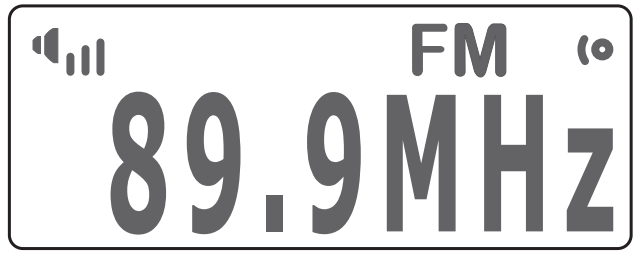

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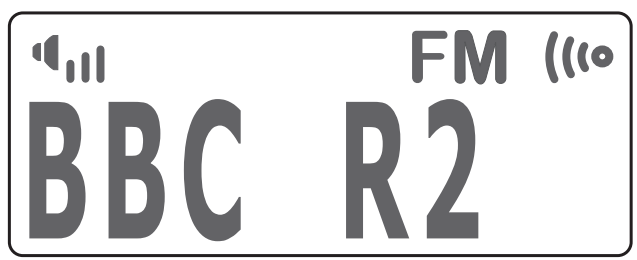


Favourite stations - DAB and FM

To make it easier for you to listen to the radio stations that you prefer, **robi** allows you to create a lists of favourite stations. **robi** holds two separate lists of favourite stations, one for DAB and one for FM radio modes.

1. With **robi** in DAB or FM mode, press and release the ***Favourite*** button until the heart symbol is **not** visible.

2. Tune to the required DAB or FM radio station as previously described.

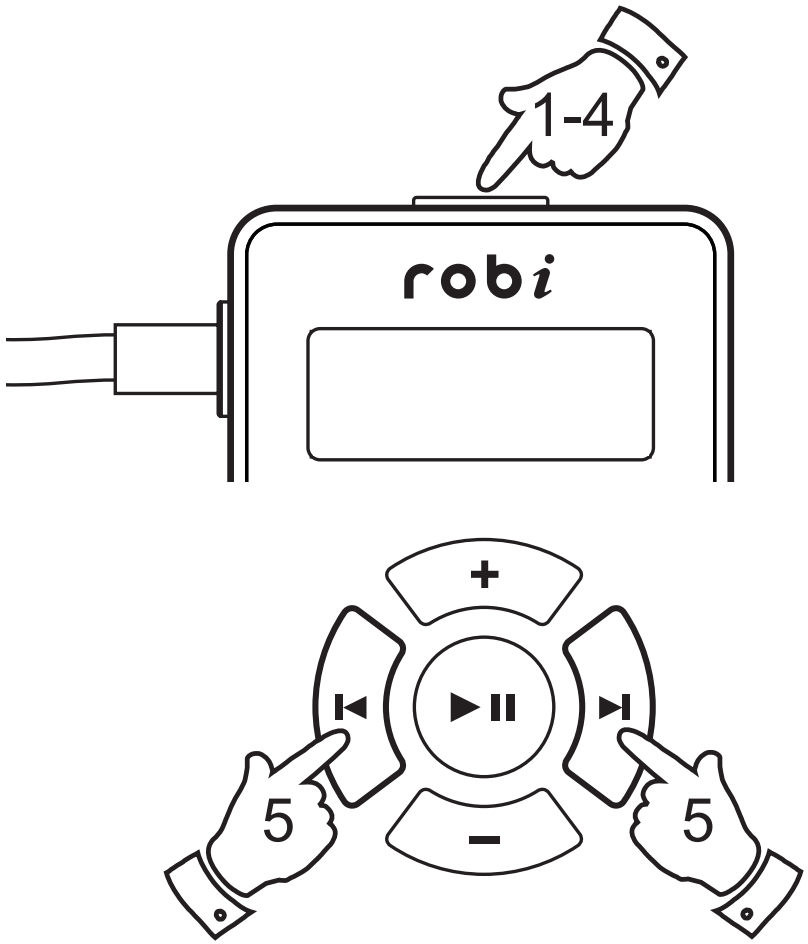
3. Press and hold the ***Favourite*** button until the display shows a ***tick symbol***. This indicates that the radio station is marked as a favourite. To cancel the favourite mark, press and hold the ***Favourite*** button again.

4. To view only the favourite stations for the current mode, press and release the ***Favourite*** button so that the heart symbol shows in the display.

5. To listen to one of the favourite radio stations, press the ***Next*** or ***Previous*** buttons until the required radio station is displayed. **robi** will then tune to that station.

Favourite stations - DAB and FM (contd.)

Note: If no radio stations have been marked as favourites, then it will not be possible to put **robi** into the favourites display mode.



2

3

4

iPod Remote Control operation

1. Carefully plug **robi** into your iPod docking connector checking that the connector is correctly aligned (see Connecting to your iPod, page 25). Plug the headphones into **robi**.

2. Your iPod may power up when **robi** is connected. If not, press and hold the ***Play / Pause*** button on **robi** to switch on your iPod. **robi** will then power up after 2 - 3 seconds. The display will show 'Welcome' and then **robi** will enter the last used operating mode.

3. If necessary, press and release the ***Mode*** button until Remote mode is selected. **robi** will show 'Remote' on the display.

4. Use the controls on your iPod to select the Artist / Album / Playlist as normal. You can then optionally set the hold switch on your iPod.

5. Use the ***Play / Pause*** button on **robi** to start playback from your iPod.

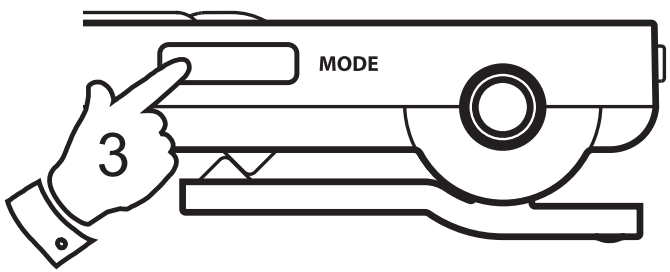
6. Set the volume using the ***Volume Up*** and ***Down*** buttons on **robi**.

iPod Remote Control operation (contd.)

7. Use the ***Previous*** or ***Next*** buttons on **robi** if you wish to change tracks. Press and hold either to rewind or fast-forward playback as needed.

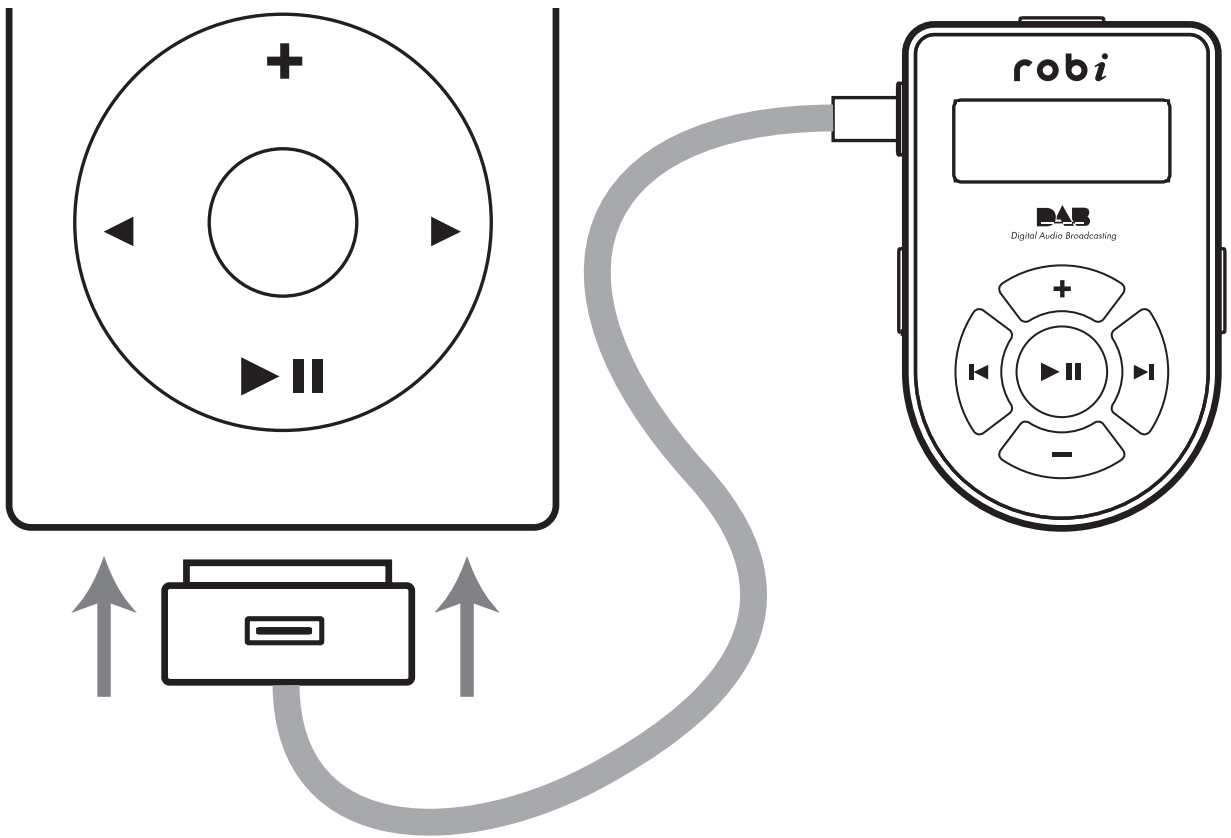
8. After listening to your iPod, press and hold the ***Play / Pause*** button to switch **robi** off. **robi** will then switch off your iPod. Alternatively, to listen to the radio, use the ***Mode*** button to select DAB or FM radio mode.

Note - **robi** can only adjust the volume when the headphones are plugged in to **robi**. The Remote mode can also be used with headphones plugged into your iPod, but then you must use your iPod controls to adjust the volume.



Connecting to your iPod

1. With your iPod switched off, carefully plug **robi** into the docking connector at the base of your iPod. Note that the connector marker on the cable connector should be facing upwards as shown below. Do not force the connector into the socket. If it is correctly aligned it should easily latch into place. Take care to keep the connector straight when connecting and disconnecting.



Troubleshooting

Some possible problems and their solutions to help you

robi will not turn on - Is your iPod battery well charged? Is robi securely plugged into the docking connector on your iPod? Is there at least one audio file stored on your iPod which has been transferred using Apple's iTunes software? If your iPod has been off for some time, robi may not be able to switch it on. Try using your iPod controls to do this first and robi will then start up.

No audio - Your headphones must be plugged into robi (not into your iPod) for radio listening. Check the volume setting. Check the loudspeaker symbol is not flashing. If it is, press the ***Play / Pause*** button on robi to un-mute the audio.

No / poor radio reception - Check that the headphone and iPod leads are unravelled. They cannot work as the radio aerial if they are bunched into a small space such as a pocket. Mobile phones may interfere with reception. Try turning your mobile phone off or moving it away from robi to see if this helps.

iPod becomes unresponsive - Try resetting your iPod (press and hold centre button and Menu button on your iPod, or consult your iPod documentation).

Troubleshooting (contd.)

In the event of a malfunction, you may need to reset the product to resume normal operation (see page 28). In some cases it may be necessary to disconnect robi from your iPod, and then to reset your iPod before reconnection.

For additional help, please refer to the FAQ page for robi on our web site at **http://www.robertsradio.co.uk/pages/robi_faq.html**

If you still have problems with the product, our technical staff would be pleased to offer any assistance on operating the radio. Our technical help-line number is shown on the back page of this manual.

Battery life

robi uses the latest energy saving digital radio technology in order to minimise the power drain on your iPod's battery. The listening time between charges will vary according to many factors, including the battery capacity of the iPod, the volume used for listening, and the radio station listened to. FM listening will take less power than DAB. If you do a lot of radio listening, further savings can be made by setting your iPod's backlight timer to Off. Please refer to the operating instructions for your iPod. Typical battery life figures are shown under Specifications, page 29.

Factory reset

If you wish to restore **robi** to its original factory settings (no radio stations stored, no favourites), then you should follow this procedure.

1. With **robi** connected to your iPod press and hold down the ***Play / Pause*** button to switch on the radio.

2. Press and release the ***Mode*** button as needed to enter Remote mode, then simultaneously press and hold ***Volume Up***, ***Volume Down, Previous*** and ***Next*** buttons until the display shows ‘Reset’.

3. A full reset of your radio will be performed. All favourites and station lists will be erased.

4. After a factory reset, **robi** will clear the display and restart. **robi** will briefly display the ‘Welcome’ message and will then scan for DAB radio stations as described on page 9.

Caution

IMPORTANT: Excessive sound pressure from earphones and headphones can cause hearing loss. Please be aware that some alternative headphones may play at a higher sound level than those supplied with the unit.

Specifications

Power Requirements	Uses power from the battery of the host iPod	
Battery Life with iPod...	...nano - up to 5 hours DAB, 8 hours FM ...video 30G - up to 5 hours DAB, 8 hours FM ...video 80G - up to 8 hours DAB, 12 hours FM	
Frequency Coverage	FM	87.5 - 108MHz
	DAB	174.928 - 239.200MHz (Band III)
Output Power	10 milli-Watts	
Headphone socket	3.5mm dia, 16 - 32 ohms compatible	
Aerial System	FM	Headphone-lead aerial
	DAB	Headphone-lead aerial

Guarantee

This instrument is guaranteed for twelve months from the date of delivery to the original owner against failure due to faulty workmanship or component breakdown, subject to the procedure stated below. Should any component or part fail during this guarantee period it will be repaired or replaced free of charge.

The guarantee does not cover:

1. Damage resulting from incorrect use.
2. Consequential damage.
3. Receivers with removed or defaced serial numbers.

N.B. Damaged or broken headphones will not be replaced under guarantee.

Procedure:

Any claim under this guarantee should be made through the dealer from whom the instrument was purchased. It is likely that your Roberts' dealer will be able to attend to any defect quickly and efficiently but should it be necessary the dealer will return the instrument to the Company’s service department for attention. In the event that it is not possible to return the instrument to the Roberts' dealer from whom it was purchased, please contact Roberts Radio Technical Services at the address shown at the back of this manual.

These statements do not affect the statutory rights of a consumer.

ROBERTS RADIO TECHNICAL SERVICES
97-99 Worton Road
Isleworth Middlesex
TW7 6EG
Technical Help-line :- 020 8758 0338 *(Mon-Fri during office hours)*
Website: http://www.robertsradio.co.uk

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